

## **812 REINFORCING STEEL AND WIRE ROPE**

### **812.01 WELDED WIRE FABRIC**

Steel welded wire fabric reinforcement shall consist of longitudinal main members with transverse members at right angles thereto. Intersecting members shall be electrically welded in such manner as to develop the full tensile strength across the welds. The steel wire fabric shall meet the requirements of AASHTO M 55, and shall conform to the weights and spacings as shown on the plans.

### **812.02 DEFORMED REINFORCING STEEL**

Reinforcing steel shall meet the requirements of AASHTO M 31, Grade 40 or Grade 60, as specified, except that reinforcing steel for sewer-water structures shall be Grade 60.

Reinforcement shall be newly rolled in an approved mill and accurately fabricated to the dimensions shown in the Contract Documents. Rail-steel bars are prohibited.

Hooks and stirrups shall be bent using dimensions and diameters defined by ACI Standard Hooks in the Manual of Standard Practice of CRSI.

All reinforcing steel radii bends regardless of size shall be dimensioned and payment will be made as correctly dimensioned.

### **812.03 EPOXY COATED REINFORCEMENT BARS**

Epoxy coated reinforcement bars shall meet the requirements of AASHTO M 284 including the prequalification requirements of AASHTO M 284, Annex A1. For acceptance purposes at least 90 percent of all recorded film thickness measurements (defined in accordance with Sec. 8.1 of AASHTO M 284) shall be  $7 \pm 2$  mils after cure.